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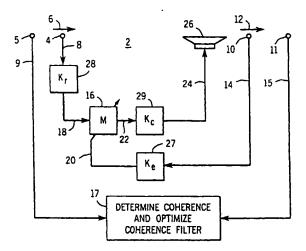
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(54) Coherence optimized active adaptive control system

(57) Coherence optimization is provided in an active adaptive control system. The adaptive control model (16) has a model input (18) receiving a reference signal (8) from a reference input transducer (4), an error input (20) receiving an error signal (14) from an error transducer (10), and a model output (22) outputting a correction signal (24) to an output transducer (26) to introduce

a control signal matching the system input signal (6) to minimize the error at the error input. Coherence in the system is determined, and a coherence filter (27; 28; 29) is provided according to the determined coherence. Preferably, one or more of the error signal (14), reference signal (8) and correction signal (24) is coherence filtered.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number EP 95 30 3452

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with of relevant p	indication, where appropriate, assages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCC16)
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				TECHNICAL FIELDS SEARCHED (Int. Cl. 6)
				G10K
1	The present search report has l	seen drawn up for all claims		
Place of search Date of completion of the search THE HAGUE 29 August 1997		Curr	Example U	
X : part Y : part doct A : tech O : non	CATEGORY OF CITED DOCUME icularly relevant if taken alone (collarly relevant if combined with an innest of the same category nological background written disclosure mediate document	NTS T: theory or principl E: earlier patent for	e underlying the ument, but publi- te the application rather reasons	shed on, or

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